

Amendments to the Specification:

Please replace the last paragraph bridging page 6 and 7 with the following amended paragraph:

In preferred refinements of this method, the support is a solid phase which can be or is charged with biologically or chemically functional materials or receptors (probes) or building blocks, thereof. In this embodiment of the invention, the support has a surface which is provided with depressions, for example at least one channel and particularly preferably with a large number of channels. The channels are preferably microchannels with a cross section of, for example, 10 to 1 000 μm . The channels may be – depending on the surface properties – capillary channels, but also channels without capillary action (for example because of Teflon coating). The support is preferably optically transparent at least partly in the region of the positions or regions to be charged with receptors. The regions of the support which are to be charged with receptors are preferably chemically and physically identical to one another, i.e. they have essentially identical surface characteristics.